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=> d his

     (FILE 'HOME' ENTERED AT 11:43:09 ON 22 MAY 2007)

     FILE 'CASREACT' ENTERED AT 11:43:24 ON 22 MAY 2007
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L2              0 S L1
L3              3 S L1 FULL

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L1                STR
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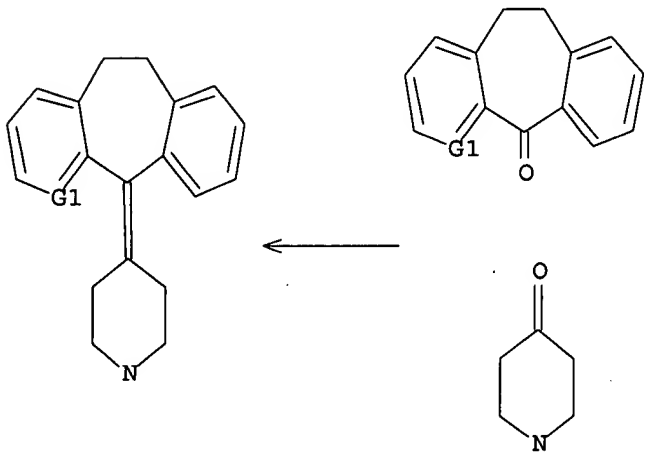


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G1 C,N


Structure attributes must be viewed using STN Express query preparation.
L3              3 SEA FILE=CASREACT SSS FUL L1 (      5 REACTIONS)

100.0% DONE     2831 VERIFIED        5 HIT RXNS                    3 DOCS
SEARCH TIME: 00.00.03


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L3 ANSWER 1 OF 3 CASREACT COPYRIGHT 2007 ACS on STN
AN 129:230642 CASREACT
TI Process for the preparation of 10,11-dihydro-5H-dibenzo[a,d]cyclohept-5-enes
IN Jackson, William Paul
PA Rolabo S. L., Spain
SO PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9838166	A1	19980903	WO 1998-GB605	19980226
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9863047	A	19980918	AU 1998-63047	19980226
	EP 970050	A1	20000112	EP 1998-907067	19980226
	EP 970050	B1	20011024		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	AT 207466	T	20011115	AT 1998-907067	19980226
	ES 2149737	T3	20011216	ES 1998-907067	19980226
	CA 2282480	C	20020423	CA 1998-2282480	19980226
	CA 2282480	A1	19980903		
	US 6093827	A	20000725	US 1999-383078	19990826
PRAI	GB 1997-3992		19970226		
	WO 1998-GB605		19980226		

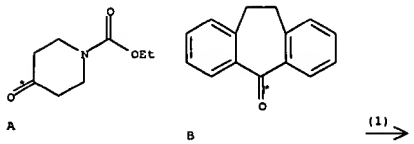
OS MARPAT 129:230642
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

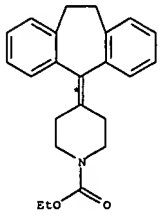
AB The title 10,11-dihydro-5H-dibenzo[a,d]cyclohept-5-enes (e.g. loratadine) [I;] were prepared by reacting a dibenzozuberone II with an aliphatic ketone
III in the presence of low valent titanium. The reaction proceeds via an intermediate diol IV which maybe isolated by conducting the reaction at a lower temperature

RX(1) OF 2 A + B ===> C

L3 ANSWER 1 OF 3 CASREACT COPYRIGHT 2007 ACS on STN (Continued)



A B



C
YIELD 89%

RX(1) RCT A 29976-53-2, B 1210-35-1
RGT D 7440-66-6 Zn, E 7550-45-0 TiCl4
PRO C 134204-86-7
SOL 109-99-9 THF
RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 2 OF 3 CASREACT COPYRIGHT 2007 ACS on STN
AN 128:22821 CASREACT
TI Preparation of ethyl 4-(5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-ylidene)piperidine-1-carboxylate
IN Rey, Max; Gladow, Stefan
PA Cilag Ag, Switz.
SO Patentschrift (Switz.), 8 pp.
CODEN: SWXXAS
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CH 688412	A5	19970915	CH 1997-571	19970311
	WO 9840376	A1	19980917	WO 1998-CH91	19980306
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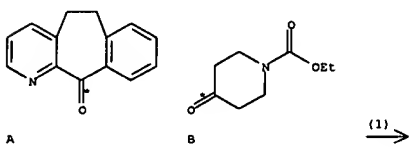
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	AU 9860869	A	19980929	AU 1998-60869	19980306
	US 2002151714	A1	20021017	US 2000-380835	20000131
PRAI	CH 1997-571		19970311		
	WO 1998-CH91		19980306		

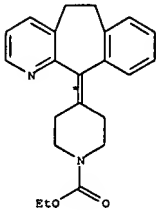
OS MARPAT 128:22821
AB The title compound was prepared in 94% yield by condensation of 5,6-dihydro-11H-benzo[5,6]cyclohepta[1,2-b]pyridin-11-one with 1-(ethoxycarbonyl)-4-piperidone. The 8-chloro- and 8-fluoro- derivs. of the title compound were similarly prepared

RX(1) OF 1 A + B ===> C



A B

L3 ANSWER 2 OF 3 CASREACT COPYRIGHT 2007 ACS on STN (Continued)

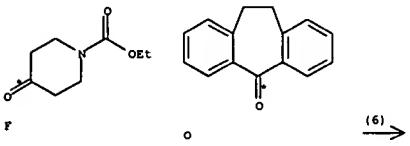


C
YIELD 68%

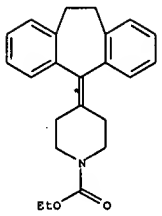
RX(1) RCT A 3964-73-6, B 29976-53-2
PRO C 79779-58-1
SOL 109-99-9 THF
NTE CHLORIDES

L3 ANSWER 3 OF 3 CASREACT COPYRIGHT 2007 ACS on STN
AN 127:75517 CASREACT
TI Synthesis, affinity at 5-HT2A, 5-HT2B and 5-HT2C serotonin receptors and structure-activity relationships of a series of cyproheptadine analogs
AU Honrubia, Maria Angeles; Rodriguez, Jesus; Dominguez, Rosa; Lozoya, Estrella; Manaut, Francesc; Seijas, Julio A.; Villaverde, Maria Carmen; Calleja, Jose M.; Cadavid, Maria Isabel; et al.
CS Department of Pharmacology, Organic and Physical Chemistry, University of Santiago, Santiago de Compostela, E-15706, Spain
SO Chemical & Pharmaceutical Bulletin (1997), 45(5), 842-848
CODEN: CPBTAL; ISSN: 0009-2363
PB Pharmaceutical Society of Japan
DT Journal
LA English
AB Cyproheptadine (Cyp) is a drug that shows high affinity for type 2(5-HT2)receptors. The authors studied a series of compds. obtained by modification of the tricyclic system of Cyp (dibenzocycloheptadiene ring) to make the thioxanthene, xanthene, dihydrodibenzocycloheptadiene, di-Ph, fluorene, and phenylmethyl analogs. Their activities at the rat cerebral cortex 5-HT2A receptor were (pKi):8.80 (Cyp), 8.60 (thioxanthene analog), 8.40 (xanthene analog), 8.05 (dihydrodibenzocycloheptadiene analog), 7.87 (di-Ph analog), 6.70 (fluorene analog) and 6.45 (phenylmethyl analog); those at the rat stomach fundus 5-HT2B receptor (pA2) were: 9.14 (Cyp), 8.49 (thioxanthene analog), 7.58 (xanthene analog), 7.02 (dihydrodibenzocycloheptadiene analog), 6.07 (di-Ph analog), and undetectable (fluorene analog, phenylmethyl analog); and those at the pig choroidal plexus 5-HT2C receptor (pKi) were: 8.71 (Cyp), 8.68 (thioxanthene analog), 8.58 (xanthene analog), 7.95 (dihydrodibenzocycloheptadiene analog), 7.57 (di-Ph analog), 6.98 (fluorene analog) and 6.63 (phenylmethyl analog). The slopes did not differ significantly from unity. The compds. exhibited the same order of activities at every type of receptor, and the most active mols. presented certain steric (butterfly conformation of the tricyclic system) and electrostatic (proton affinity on the top of the central rings) patterns. It is concluded that the activity of cyproheptadine derivs. at 5-HT2 receptors is related to these mol. features, which make feasible a common disposition to interact with all three 5-HT2 subtypes.

RX(6) OF 18 F + O ===> M...



L3 ANSWER 3 OF 3 CASREACT COPYRIGHT 2007 ACS on STN (Continued)



M
YIELD 44%

RX(6) RCT F 29976-53-2, O 1210-35-1
RGT G 7439-93-2 Li, H 7705-07-9 TiCl3
PRO M 134204-86-7
SOL 110-71-4 (CH2OMe)2
RE.CNT 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.92	-2.92

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